

Applicant : Ronald P. Knockeart et al.
Serial No. : 10/675,626
Filed : September 30, 2003
Page : 2 of 7

Attorney Docket: 09650-005009 / 2003P13043US

Please amend the claims as follows (this listing replaces all prior listings):

1-26. (Cancelled).

27. (Currently amended) A method for collecting traffic information comprising:
storing a map of a road network at a vehicle, the road network having a plurality of
segments, the map including stored speed for at least some of the segments;
at the vehicle, receiving a command from the server to enable logging of the traffic-
related data;
tracking the location of the vehicle, including detecting when the vehicle traverses each
of the plurality of segments;
for each detected segment, logging traffic-related data, including data related to the
vehicle's speed on the detected segment;
~~The method of claim 25 further comprising~~
receiving a request to transmit the logged data to the server; and
transmitting the logged data to a server.

28-38. (Cancelled).

39. (Previously presented) The method of ~~claim 24~~ claim 54, wherein tracking the location of the vehicle includes using the stored map, including using the data characterizing the segments in detecting when the vehicle traverses the segments.

40. (Previously presented) The method of ~~claim 24~~ claim 54, wherein the stored speed for a segment comprises an average vehicle speed.

41. (Previously presented) The method of ~~claim 24~~ claim 54, wherein the map includes data indicating a particular time of day, and the stored speed comprises an average vehicle speed during the particular time of day.

Applicant : Ronald P. Knockeart et al
Serial No. : 10/675,626
Filed : September 30, 2003
Page : 3 of 7

Attorney Docket: 09650-005009 / 2003P13043US

42. (Previously presented) The method of claim 41, wherein the particular time of day comprises a morning busy period, and the map includes data indicating start and end times of the morning busy period.

43. (Previously presented) The method of claim 41, wherein the particular time of day comprises an evening busy period, and the map includes data indicating start and end times of the evening busy period.

44. (Previously presented) The method of ~~claim 24~~ claim 54, wherein the traffic notification is sent to the server when the vehicle's speed deviates from the stored speed by more than a threshold value.

45. (Previously presented) The method of ~~claim 25~~ claim 27, wherein the vehicle includes a storage associated with at least some of the segments for storing the traffic related data.

46. (Previously presented) The method of claim 45, wherein tracking the location of the vehicle includes using the stored map, including using the data characterizing the segments in detecting when the vehicle traverses the road segments.

47. (Previously presented) The method of claim 45, wherein the traffic related data associated with a segment comprises a time of day when the vehicle traversed the segment.

48. (Previously presented) The method of claim 45, wherein the logged data is transmitted to a server periodically after receiving the command from the server.

Applicant : Ronald P. Knockeart et al.
Serial No. : 10/675,626
Filed : September 30, 2003
Page : 4 of 7

Attorney Docket: 09650-005009 / 2003P13043US

49. (Previously presented) The method of claim 45, wherein the logged data associated with a segment comprises information indicating that the vehicle's speed on the segment deviates from a stored speed associated with the segment.

50. (Previously presented) The method of claim 49, wherein the stored speed comprises an average vehicle speed.

51. (Previously presented) The method of claim 50, wherein the stored speed comprises an average vehicle speed during the particular time of day, and the storage includes data indicating the particular time of day.

52. (Previously presented) The method of claim 51, wherein the particular time period comprises a morning busy period, and the storage includes data indicating start and end times of the morning busy period.

53. (Previously presented) The method of claim 51, wherein the particular time period comprises an evening busy period, and the storage includes data indicating start and end times of the evening busy period.

54. (Currently amended) ~~The method of claim 24,~~
A method for collecting traffic information comprising:
storing a map of a road network at a vehicle, the road network having a plurality of
segments, the map including stored speed for at least some of the segments;
at the vehicle, receiving a command from a server to enable transmission of a traffic
notification;
tracking the location of the vehicle, including detecting when the vehicle traverses each
of the plurality of segments;

Applicant : Ronald P. Knockeart et al.
Serial No. : 10/675,626
Filed : September 30, 2003
Page : 5 of 7

Attorney Docket: 09650-005009 / 2003P13043US

for each detected segment, comparing the vehicle's speed on the segment to a stored speed for that segment, and
if the vehicle's speed on the segment deviates from the stored speed, transmitting
a traffic notification identifying that segment to a server;

wherein the server sends to the vehicle ~~a command~~ the command to enable transmission of the traffic-related data if the server has provided planned routes along the road network to the vehicle.

55. (Previously presented) The method of ~~claim 25~~ claim 27, wherein the server sends to the vehicle a command to enable logging of the traffic-related data if the server has provided planned routes along the road network to the vehicle.